

BlackJack Tire Repair

MATERIAL SAFETY DATA SHEET

Vulcanizing Cement

FILE NO.: MSDS-Ce-Clear
MSDS DATE: 05/15/12

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Vulcanizing Cement
SYNONYMS: Adhesive
PRODUCT CODES: Ce-508, Ce-532

MANUFACTURER: BlackJack Tire Repair
DIVISION:
ADDRESS: 18872 Hwy 169 North, St. Joseph, MO 64505

EMERGENCY PHONE: Chem-Tel Inc.1-800-255-3924
CHEMTREC PHONE:
OTHER CALLS: 816-872-1158
FAX PHONE: 816-872-1178

CHEMICAL NAME: N/A (Mixture)
CHEMICAL FAMILY: Aliphatic Hydrocarbon
CHEMICAL FORMULA: N/A Mixture

PRODUCT USE: Chemical Vulcanizing Cement
PREPARED BY: Edward Stoner; Materials Director

SECTION 1 NOTES:

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:

Aliphatic Petroleum Naphtas
Natural Rubber

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
64742-88-7	60-100	100 PPM	
N/A	05-10		

	<u>ppm</u>	<u>mg/m3</u>
OSHA PEL-TWA:		
OSHA PEL STEL :		
OSHA PEL CEILING:		
ACGIH TLV-TWA:		
ACGIH TLV STEL:		
ACGIH TLV CEILING:		

SECTION 2 NOTES:

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Contact with eyes will cause irritation. Contact with skin may cause irritation.

ROUTES OF ENTRY:

POTENTIAL HEALTH EFFECTS

EYES: May cause mild irritation.

SKIN: May cause mild irritation.

INGESTION: Small amounts of this material during normal handling is not likely to cause harmful effects.

INHALATION: Small amounts of this material during normal handling is not likely to cause harmful effects.

ACUTE HEALTH HAZARDS:

CHRONIC HEALTH HAZARDS:

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MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

CARCINOGENICITY

OSHA:

ACGIH:

NTP:

IARC:

OTHER:

SECTION 3 NOTES:

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4: FIRST AID MEASURES

EYES: Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

SKIN: Flush exposed area with large amounts of water. If skin is damaged seek immediate medical attn. If symptoms persist, seek medical attn. Launder clothing

INGESTION: If individual is drowsy or unconscious, do not give anything by mouth, place individual on left side with head down. Contact a physician, medical facility, or poison control center for advice about weather to induce vomiting. If possible do not leave individual unattended.

INHALATION: If symptoms develop, move individual away from exposure and into fresh air, If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet, seek immediate medical attention.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: 13.2
(% BY VOLUME) LOWER: 1.1

FLASH POINT:

F: 399°
C: 203.88°

METHOD USED:

AUTOIGNITION TEMPERATURE:

F: 536°F
C: 280°C

NFPA HAZARD CLASSIFICATION

HEALTH: 1

FLAMMABILITY: 1

REACTIVITY: 0

OTHER:

HMIS HAZARD CLASSIFICATION

HEALTH: 1

FLAMMABILITY: 3

REACTIVITY: 0

PROTECTION:

EXTINGUISHING MEDIA: Regular foam, carbon dioxide, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: Wear a self-contained breathing apparatus with a full-face piece operated in the

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positive pressure demand mode with appropriate turnout gear and chemical resistant protective equipment.

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UNUSUAL FIRE AND EXPLOSION HAZARDS: Material is highly volatile and readily gives off vapors, which may travel along the ground or be moved by ventilation.

HAZARDOUS DECOMPOSITION PRODUCTS:

carbon dioxide & carbon monoxide, various hydrocarbons

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

ENVIRONMENTAL PRECAUTIONS: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

METHODS FOR CLEANING UP:

SMALL SPILL: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.

LARGE SPILL: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

SECTION 6 NOTES:

SECTION 7: HANDLING AND STORAGE

HANDLING: Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

STORAGE: Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

OTHER PRECAUTIONS:

SECTION 7 NOTES: Containers of this material may be hazardous when emptied. Since empty containers retain product residues (vapor, liquid, and/or solid), all hazardous precautions given in the data sheet must be observed.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

VENTILATION : See above "ENGINEERING CONTROLS"

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RESPIRATORY PROTECTION: NIOSH/MSHA respirator if levels exceed exposure guidelines. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

EYE PROTECTION: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

SKIN PROTECTION: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Chemical-resistant, impervious gloves and boots complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

WORK HYGIENIC PRACTICES: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

EXPOSURE GUIDELINES:

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Milky, light hydrocarbon odor

ODOR: Viscous clear liquid with solvent odor

PHYSICAL STATE: Liquid

pH AS SUPPLIED: N/A

pH (Other):

BOILING POINT:

F: 133-200°F

C:

MELTING POINT:

F:

C:

FREEZING POINT: N/A

F:

C:

VAPOR PRESSURE (mmHg): 188 mmHg

@

F:

C:

VAPOR DENSITY (AIR = 1): 3.500

@

F:

C:

SPECIFIC GRAVITY (H₂O = 1): .072

@

F:

C:

EVAPORATION RATE: 2.80

BASIS (=1):

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

SOLUBILITY IN WATER: <24%

PERCENT SOLIDS BY WEIGHT:

PERCENT VOLATILE: 94-96%

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BY WT/ BY VOL @

F:

C:

VOLATILE ORGANIC COMPOUNDS (VOC):

WITH WATER: LBS/GAL
WITHOUT WATER: LBS/GAL

MOLECULAR WEIGHT:

VISCOSITY: N/A

@

F:

C:

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABILITY: The product is stable.

CONDITIONS TO AVOID (STABILITY): Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.

INCOMPATIBILITY (MATERIAL TO AVOID): Highly reactive or incompatible with the following materials: oxidizing materials

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

HAZARDOUS POLYMERIZATION: Under normal conditions of storage and use, hazardous reactions will not occur.

CONDITIONS TO AVOID (POLYMERIZATION): Will Not Occur

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

HAZARDOUS COMPONENTS	CAS#
Heptane	142-82-5
Uncured Natural Rubber	N/A

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No known significant effects or critical hazards.

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with Local, State, and Federal Regulations. This product may produce hazardous vapors or fumes in a closed disposal container creating a dangerous environment. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations. Consult your local, state, or federal Environmental Protection Agency (EPA) before disposing of any chemicals. Do NOT flush to sanitary sewer or waterway.

RCRA HAZARD CLASS:

SECTION 13 NOTES:

SECTION 14: TRANSPORT INFORMATION

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U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Adhesive
HAZARD CLASS: Class 3
ID NUMBER: 1133
PACKING GROUP: II
LABEL STATEMENT:

WATER TRANSPORTATION

PROPER SHIPPING NAME: Adhesive
HAZARD CLASS: Class 3
ID NUMBER: 1133
PACKING GROUP: II
LABEL STATEMENTS:

AIR TRANSPORTATION

PROPER SHIPPING NAME: Adhesive
HAZARD CLASS: Class 3
ID NUMBER: 1133
PACKING GROUP: II
LABEL STATEMENTS:

OTHER AGENCIES:

SECTION 14 NOTES:

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT):

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES:

313 REPORTABLE INGREDIENTS:

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION:

DISCLAIMER: To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.